

EFFECT OF DIFFERENT CULTIVARS SUBSTRATE ON GROWTH, FLOWERING AND PSYCHOLOGICAL CHARACTERISTICS OF ANTHORIUM FLOWER (*FARAO* GENUS)

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INTRODUCTION: Venlabek et al (1998). considered cocopeat and rock wool cultivars substrate in Aurelia flower in which floescence stems in coco peat obtained was shorter but floescence stem weight proportion to rock wool obtained was most. Khayat et al (2007). considered the effect of 22 pots substrates on peters flower growth the results of which showed that the highest dry and fresh weight of stem, root and stem length in cultivars environment was pure coco peat. Nazari et al (2011). performed the process of growth, Iran blossoming on cultivars substrate. The highest germination growth rate, blossoming and photosynthesis in substate containing coco peat were obtained.

MATERIALS AND METHODS: This research was conducted in 1391 (2012) in the Research Greenhouse of Khorasgan Islamic Azad University in Isfahan in one period during 6 months by cultivation in pot method with 4 (cocopeat-perlite, peatmas-perlite, perlite) treatments by random. That number of flowers stem was measured after quit plant putting and flower stem height and spadix length with meter and diameter of diameter of spadix with a caliper. The results were analyzed by SASS software.

CONCLUSION AND DISCUSSION: Perlite + coco peat treatment had the most effect on the number of flowers, flower stem height, spadix length and diameter and the least effect was observed in perlite cultivation substrate. That is consistent with Nazari Research and the coco peat has showed very good quality in using cultivation substrate.

Key words: Anthorium, solless cultivation, coco peat.